MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES

CURRICULUM VITAE (maximum 4 pages)

AGENCIA ESTATAL DE INVESTIGACIÓN

Part A. PERSONAL INFORMATION

CV date	24/6/2020

First and Family name	Montserrat Arista		
Social Security, Passport, ID number	[redacted]	[redacted]	[redacted]
Researcher numbers	Researcher ID	D-1096-2018	
	Author ID		
	ORCID code	0000-0003-0914-9525	

A.1. Current position

Name of University/Institution	University of Seville		
Department	Vegetal Biology and Ecology		
Address and Country	Avda. Reina Mercedes nº 6, 41012 Sevilla		
Phone number	954557057	[redacted]	[redacted]
Current position	Full Professor	From	2015
UNESCO code	241799		
Key words	Reproductive biology, plant mating systems, floral trait evolution, pollination, phylogeny and phylogeography, conservation		

A.3. JCR articles, h Index, thesis supervised…

Number of SCI articles: 61 (49 Q1, 8 Q2, 4 Q3)
H index: 26 (Google Scholar), 21 (ISI)
Number of PhD Thesis supervised: 8 (+ 4 ongoig).
Number of competitive research projects led: 8 Spanish R+D+I, 1 FEDER-US + 1 JUNTA DE ANDALUCÍA + 1 European Comission

Part B. CV SUMMARY *(max. 3500 characters, including spaces)*

My research has focused mainly on the study of the reproductive systems of gymnosperms and angiosperms. I started my career studying the reproductive system of Abies pinsapo and the factors conditioning the expansion of the populations. Subsequently my research has been developed in the following lines: floral biology, plant-pollinator interaction, dispersion, phylogeny and phylogeography, conservation and, in recent years, evolution of reproductive systems and floral traits. I have been Leader researcher for ten competitive research projects, eight of them funded by the Spanish R+D+I national programme, one from the regional programme FEDER-US and one from the European Comission. I actively collaborated with foreign researchers. I was also responsible for a Technical contract and six grants. I was researcher member in 18 Research Projects, six of foreign entities from France, Brazil, Germany and Mexico.
I have published 113 articles, book chapters or books, of which 60 were published in journals included in the SCI, most of them in Q1 (48). I have supervised a total of eight PhD Theses and three ongoing, and five Master's Theses. I have also supervised various pre- and postdoctoral researchers from Mexico and Brazil. Five of the supervised doctors are currently employed in the scientific field: four are lecturers at the Universities of Huelva, Pablo de Olavide, Córdoba and Seville and one is a Post-Doctoral hired with commitment to link in the University of Seville. Regarding activities for the Science dissemination, I've been in charge of grants: "Coffee and Science" and "Windows to the Science".
Since June 2014, I am the Director of the General Research Service of Herbarium at the University of Seville in which I established molecular and morphology labs to study the evolution and development of plant traits. Since February 2014 I am Vice Dean of Research and Postgraduate of the Faculty of Biology. Coordinator of the Master's degree of the Faculty of Biology of the University of Seville from 2014 to 2019. Member of the Academic Committee of the Doctorate Program of the Faculty of Biology from 2013 to 2019 and Member of the Committee of the Doctorate School of the University of Seville from 2019. From May 2018 I belong to the Research Committee of the Seville University.

Part C. RELEVANT MERITS

C.1. Publications (article selection from last 10 years)

Jiménez-López, J., Ortiz, P.L., Talavera, M., Pannell, J.F.R. & Arista, M. 2020. The role of lateral and vertical herkogamy in the divergence of the blue- and red-flowered lineages of Lysimachia arvensis. *Annals of Botany* 125, 1127-113

Berjano, R., Rodríguez-Castañeda, N., Ortiz, P.L. & Arista M. 2018. The link between selfing and greater dispersibility in a heterocarpic Asteraceae. American Journal of Botany 105: 2065-2074.

Mendes-Rodrigues, C., Cabral Marinho, R., Balao, F., Arista, M., Ortiz, P.L., Carmo-Oliveira, R. & Oliveira P.E. 2018. Reproductive diversity, polyploidy, and geographical parthenogenesis in two Eriotheca (Malvaceae) species from Brazilian Cerrado. PPEES. DOI: 10.1016/j.ppees.2018.11.001

Narbona, E., Wang, H., Ortiz, P. L., Arista, M., & Imbert, E. 2018. Flower color polymorphism in the Mediterranean Basin: occurrence, maintenance and implications for speciation. Plant Biology, 20, 8-20.

Arista M., Berjano R., Viruel J., Ortiz M.Á., Talavera M. & P.L. Ortiz. 2017. Uncertain pollination environment promotes the evolution of a stable mixed reproductive system in the self-incompatible Hypochaeris salzmanniana (Asteraceae). *Annals of Botany* 120: 447-456.

Arista, M. et al. 2017. Present and future of ecological and evolutionary research in Mediterranean-type ecosystems: Conclusions from the last International Mediterranean Ecosystems Conference. *American Journal of Botany* 104: 1775-1776.

Ortiz, P.L., Berjano, R., Talavera, M., Rodríguez, L. & Arista M. 2015. Flower colour polymorphism in Lysimachia arvensis: how is the red morph maintained in unfavourable environments? *PPEES* 17: 142-150.

Arista, M., Talavera, M., Berjano, R. & P.L. Ortiz. 2013. Abiotic factors may explain the geographical distribution of flower colour morphs and the maintenance of colour polymorphism in the scarlet pimpernel. *Journal of Ecology* 101: 1613-1622.

Talavera M., Navarro L., Ortiz P.L. & M. Arista. 2013. Phylogeography and seed dispersal in islands: the case of *Rumex bucephalophorus* subsp. *canariensis* (Polygonaceae). *Annals of Botany* 111: 249-260.

Talavera, M., Arista, M. & Ortiz, P.L. 2012. Evolution of dispersal traits in a biogeographical context: a study using the heterocarpic Rumex bucephalophorus as a model. *Journal of Ecology* 100: 1194–1203.

Talavera, M., Balao, F., Casimiro-Soriguer, R., Ortiz, M.Á., Terrab, A., Arista, M., Ortiz, P.L., Stuessy, T.F., Talavera, S. 2011. Molecular phylogeny and systematics of the highly polymorphic *Rumex bucephalophorus* complex (Polygonaceae). Molecular Phylogenetics and Evolution, 61: 659-670.

Narbona, E., Ortiz, P.L., Arista, M. 2011. Linking self-incompatibility, dichogamy, and flowering synchrony in two Euphorbia species: Alternative mechanisms for avoiding self-fertilization? PLoS ONE, 6 (6), art. no. e20668.

De Vega, C., Arista, M., Ortiz, P.L., Herrera, C.M., Talavera, S. 2011. Endozoochory by beetles: A novel seed dispersal mechanism. Annals of Botany, 107: 629-637.

De Vega, C., Arista, M., Ortiz, P.L. & Talavera S. 2011. Mycorrhizal fungi and parasitic plants: Reply. American Journal of Botany 98: 597-601.

Talavera, M., Ortiz, P.L., Arista, M., Berjano, R., Imbert, E. 2010. Disentangling sources of maternal effects in the heterocarpic species *Rumex bucephalophorus*. PPEES 12: 295-304.

C.2. Research projects and grants (last five years)

As Responsible

Decisive in situ and ex situ conservation strategies to secure the critically endangered Sicilian fir, Abies nebrodensis. LIFE4FIR, LIFE18 NAT/IT/000164. Participants: University of Palermo, University of Florence and University of Seville. 2019-2023. *Total amount: 260.000,00 €. Spanish Leader: Montserrat Arista.*

Evaluación de la Biodiversidad Vegetal Andaluza, Desde los Genes a los Ecosistemas (Biovegan). PY18-3651. Consejería De Economía, Conocimiento, Empresas y Universidad, Junta de Andalucía. 2019-2021. 108.292,00 €. Project leaders: Juan Arroyo and Montserrat Arista.

Fortalecimiento y desarrollo de una nueva línea de trabajo en Ecofisiología vegetal en los Servicios Generales de Investigación de Herbario e Invernadero de la Universidad de Sevilla. MINISTERIO DE CIENCIA, INNOVACION Y UNIVERSIDADES. EQC2019-006133-P. 2019-2020. Total amount: 143252,00 Euros. Leader: Montserrat Arista

Biogeografía, evolución, ecología y conservación de la flora andaluza (EVOFLORAND). PROYECTOS FEDER-US. US-1265280. 2020-2021. TOTAL AMOUNT: 79912,0 Euros. Project leaders: Juan Arroyo and Montserrat Arista

The importance of flower color polymorphism in angiosperm speciation. MINISTERIO DE ECONOMIA Y COMPETITIVIDAD. CGL2015-63827. Participants: Universidad de Sevilla, Universidad de Montpellier II (Francia), Universidad de Santa Clara (California) and Universidad de Santiago de Chile (Chile). 2016-2020 Total amount: 212.234,00 €. Leaders: Montserrat Arista and Pedro L. Ortiz.

Café con Ciencia. Seville University. Editions 2017, 2018 and 2019. Seville University. Plan Propio de Investigación. Leader: Montserrat Arista. Total amount: 11.500,00 €.

Infraestructura científica para los Servicios Generales de Investigación de Herbario e Invernadero. MINISTERIO DE ECONOMIA Y COMPETITIVIDAD. UNSE15-CE-3095. 2016-2017. Total amount: 114.843,00 €. Leader: Montserrat Arista.

The importance of "reproductive assurance" hypothesis in the evolution of mixed reproductive systems in plants. MINISTERIO DE ECONOMIA Y COMPETITIVIDAD. CGL2012-33270. Participants: Universidad de Sevilla, Universidad de Montpellier II and Universidad de Lausanne. 2013-2015. Total amount: 161.460,00 €. Leader: Montserrat Arista.

Equipos de imágenes para el Herbario. MINECO. 2014-2015. Ayudas a Infraestructuras y Equipamiento Científico-Técnico Subprograma Estatal de Infraestructuras Científicas y Equipamiento. Leaders: Salvador Talavera and Montserrat Arista. Total amount: 97.647,00 €

As participant

7. Servicios Ecosistémicos de polinización y dispersión en áreas naturales protegidas. CYTED. Universidad Autónoma de México. 2017-2020. Leader: M. Quesada. Researcher: Montserrat Arista

C.3. Contracts

C.4. Patents

C.5. Institutional responsibilities

-Responsible for the General Research Service of Herbarium at the Seville University (from June 2014)

-Vice Dean of Research and Postgraduate of the Faculty of Biology (from February 2014 to November 2019)

-Coordinator of the Master's degree of the Faculty of Biology of the University of Seville (from 2014 to 2019)

-Member of the Research Committee of the Seville University (from May 2018)

-Member of Academic Committee of the PhD Program In Integrate Biology at the University of Seville (from 2013 to 2019)

-Member of the Committee of Doctorate Programme of the University of Seville

C.6. Research dissemination

-Ventana a la Ciencia. I+D+i Project. Consejería de Economía, Innovación, Ciencia y Empleo de la Junta de Andalucía, el Parque de las Ciencias y las Universidades andaluzas. Responsible from the University of Seville. 2019

-European Researcher's Night. Marie Sklodowska Curie (MSCA) action. Editions 2015, 2016, 2017 and 2018. Participant.

-Coffees with Science. Seville University. Editions 2017, 2018 and 2019. Grants from Seville University. Responsible and participant.

-Feria de la Ciencia y Ferisport. Seville University. Editions 2015, 2016, 2017 and 2018.

-La Semana de la Ciencia. Seville University. Editions 2015, 2016, 2017 and 2018.pubic

-Interview in public media: An Andalousian DNA bank (interview in local newspaper: El diario de Sevilla, 2015), Noticias de Luz 2019 (Investigación para conservar especies vegetales amenazadas), La investigación en Ecología Reproductiva de plantas (interview in the program "XX", 2019)

C.7. Invited talks

6 invited talks in the last five years, including UNAM (México), UNESP, UFGM (Brasil), USJ (Costa Rica), USC (Chile)

C.8. Editorial board

Member of the editorial board of Plant Biology

Editor of the special issue « The role of Flower colour in angiosperm speciation » in Frontiers in Plant Science

C.9. Scientific societies

Botanical Society of America

Spanish Society of Terrestrial Ecology

Spanish Society of Evolutionary Biology